IN THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1.(Currently Amended) A method of recording copy protection information on a recording medium, comprising:

recording encrypted data on the recording medium; and

recording copy protection information required for decrypting the encrypted data in a ~~predetermined~~ first area and additionally in a second area other than the first area ~~at least once~~.

2. (Currently Amended) The method set forth in claim 1, wherein the first area is a PIC area defined in ~~the~~ a BD (blu-ray) recording medium.

3. (Currently Amended) The method set forth in claim 1, wherein the second area includes an area ~~exclusive of a PIC area~~ within a lead-in area and/or lead-out area defined in the recording medium.

4. (Currently Amended) The method set forth in claim 1, wherein the copy protection information in first area and/or second area ~~includes a lead-out area defined in the recording medium~~ is formed as wobble pattern.

5. (Currently Amended) The method set forth in claim 1, wherein ~~disk~~ control information about the recording medium is recorded in the ~~PIC~~ lead-in area defined in the recording medium and the ~~disk~~ control information is duplicated ~~also~~ in ~~the~~ an area other than the first area.

6. (Currently Amended) The method set forth in claim 1, <u>further comprising:</u>

~~wherein disk information about the recording medium is recorded in a PIC area~~ ~~defined in the recording medium and~~ <u>recording</u> position information for <u>indicating a position</u> <u>where at least</u> the copy protection information <u>in a second area is</u> recorded ~~in the second~~ ~~area is recorded in the disk information.~~

7. (Currently Amended) A recording medium, comprising:

a data area <u>for</u> storing encrypted data;

a first area <u>for</u> storing copy protection information required for decrypting the encrypted data; and

at least one second area storing a duplicate of the copy protection information.

8. (Currently Amended) The recording medium set forth in claim 7, wherein the first area is a PIC area defined in the <u>BD (blu-ray)</u> recording medium.

9. (Currently Amended) The recording medium set forth in claim 7, wherein the <u>first and</u> second ~~area includes~~ <u>areas include</u> an area ~~exclusive of a PIC area~~ within a lead-in area <u>and/or a lead-out area</u> defined in the recording medium.

10. (Currently Amended) The recording medium set forth in claim 7, wherein <u>copy protection</u> <u>information in first area and/or second area is formed as wobble type</u> ~~the second area~~ ~~includes a lead-out area defined in the recording medium.~~

11. (Currently Amended) The recording medium set forth in claim 7, ~~wherein~~ <u>further</u> <u>comprising:</u>

a third area storing ~~the first area stores position~~ information ~~for~~ <u>associated with a</u>

position where the copy protection information is recorded ~~duplicated in the second area~~.

12. (Currently Amended) A method of reproducing a recording medium ~~by a disk reproducing apparatus~~, comprising the steps of:

(a) driving the recording medium storing encrypted data;

(b) detecting copy protection information, which is required for decrypting the encrypted data, recorded <u>repeatedly</u> in a ~~first~~ <u>specific</u> area of the recording medium <u>or copied in a specific area from an area where original copy protection information is recorded</u>; and

(c) ~~if an error occurs in the detection of the copy is protection information, detecting duplicated copy protection information from a second area other than the first area and decrypting the encrypted data using the detected copy protection information~~ <u>performing a decryption of the encrypted data based on the detected copy protection information</u>.

13. (Currently Amended) The method set forth in claim 12, wherein the ~~first~~ <u>specific</u> area is a PIC area defined in ~~the~~ <u>a BD (blu-ray)</u> recording medium.

14. (Currently Amended) The method set forth in claim 12, wherein the ~~second~~ <u>specific</u> area includes an area ~~exclusive of a PIC area~~ within a lead-in area <u>and/or lead-out area</u> defined in the recording medium.

15. (Currently Amended) The method set forth in claim 12, wherein the ~~second area includes a lead-out area defined in the recording medium~~ <u>copy protection information is recorded differently depending on a manufacture of the recording medium, wherein the step (b) detects the copy protection information based on a position information to indicate a position where the copy protection information is recorded</u>.

16. (Currently Amended) The method set forth in claim 12, wherein the step (~~c~~ b) includes a step of ~~detects~~ detecting position information for at least one of the ~~duplicated~~ repeated copy protection information ~~included in disk information for the recording medium~~ and reads at least one of the ~~duplicated~~ repeated copy protection information ~~from~~ based on the position information ~~to decrypt the encrypted data~~.

17. (Currently Amended) The method set forth in claim 12, wherein the step (~~c~~ b) includes a step of ~~detects~~ detecting position information for at least one of the ~~duplicated~~ repeated copy protection information stored in a predetermined position in ~~the~~ a recording/reproducing apparatus and reads the ~~duplicated~~ repeated copy protection information ~~from~~ based on the position information ~~to decrypt the encrypted data~~.

18. (Currently Amended) The method set forth in claim 12, wherein~~, if the detection of the duplicated copy protection information fails, the step (c) detects duplicated copy protection information from another area~~ the step (b) detects other one among the repeated copy protection information if an error occurs in the detection of the copy protection information.

Please add the following new claims:

19. (New) The method set forth in claim 12, wherein the copy protection information is recorded in wobbled form, wherein the detecting step (b) detects the copy protection information formed in wobble pattern.

20. (New) A method of recording data on a recording medium, comprising:

generating a copy protected data based on a key information, the key information being required for generating the copy protected data;

recording the copy protected data in the recording medium; and

recording the key information in a specific area repeatedly or alternatively.

21. (New) The method set forth in claim 20, wherein the specific area is a PIC area defined in a BD (blu-ray) recording medium.

22. (New) The method set forth in claim 20, wherein the specific area is an area within a lead-in area defined in the recording medium.

23. (New) The method set forth in claim 20, wherein the specific area is a lead-out area defined in the recording medium.

24. (New) The method set forth in claim 20, further comprising:

recording information for specifying an area of key information to be recorded.

25. (New) The method set forth in claim 20, wherein the step (c) records the key information in wobbled form.

26. (New) The method set forth in claim 20, wherein the step (c) records the key information in wobbled form and/or straight pre-pit form.

27. (New) A recording medium, comprising:

control data area including a control information necessary to record or reproduce a copy protected user data on or from a user data area; and

a key information area for storing a key information required for processing a copy protected user data, the key information is recorded repeatedly or is copied on the key information area.

28. (New) The recording medium of claim 27, wherein the key information area is lead-in area and/or lead-out area.

29. (New) The recording medium of claim 28, wherein the key information area is pre-recorded area of the read-in area and/or read-out area.

30. (New) The recording medium of claim 27, wherein the control data area includes indication information to identify the key information area.

31. (New) The recording medium of claim 27, wherein the key information is required for the encryption and/or decryption of the copy protected user data.

32. (New) The recording medium of claim 27, wherein the key information is recorded in wobbled form.

33. (New) The recording medium of claim 27, wherein the key information is in wobbled form and/or straight pre-pit form.

34. (New) The recording medium of claim 27, wherein the key information is recorded in a specific position depending on a manufacturer of the recording medium.

35. (New) A recording medium, comprising:

a key information required to record or reproduce the copy protected user data; and

information associated with a position where the key information is stored.

36. (New) The recording medium of claim 35, wherein the key information is stored in a lead-in area and/or lead-out area of the recording medium.

37. (New) The recording medium of claim 35, wherein the key information is formed as wobble pattern in the recording medium.

38. (New) The recording medium of claim 35, wherein the information associated with the position of the key information is stored in a control area of the recording medium.

39. (New) The recording medium of claim 35, wherein the key information is required to encrypt and/or decrypt the user data.

40. (New) The recording medium of claim 39, wherein the key information is recorded as wobbled pattern.

41. (New) The recording medium of claim 39, wherein the key information is recorded as wobbled pattern and/or straight pit pattern.

42. (New) The recording medium of claim 39, wherein the key information is recorded repeatedly or alternatively as wobbled pattern.

43. (New) The recording medium of claim 39, wherein the key information is pre-recorded as wobbled pattern in a specific area, and a copied key information is recorded in an alternative area different from the specific area.

44. (New) The recording medium of claim 43, wherein the alternative area is lead-in area and/or lead-out area defined in the recording medium.

45. (New) A method of recording or reproducing data on or from a recording medium, comprising the steps of:

(a) detecting copy protection information required for a copy protected user data and recorded repeatedly or alternatively in a specific form of the recording medium; and

(b) controlling a recording or reproducing of the copy protected user data based on the detected copy protection information.

46. (New) The method of claim 45, wherein the step (a) includes a step of detecting position information for at least one of the repeated copy protection information and reading at least one of the repeated copy protection information based on the position information.

47. (New) The method of claim 45, wherein the copy protection information is recorded as wobble form, the step (a) detects the copy protection information recorded as wobble form.

48. (New) The method of claim 45, wherein the step (a) detects at least one copy protection information based on a position information associated with a position where the copy protection information is stored.

49. (New) The method of claim 45, wherein the step (b) includes a step of controlling an encryption or decryption of the user data based on the copy protection information ,so as to generate a copy protected user data.